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Omaha on October 16, the two principal speakers were Dr. Howard A. Kelly, of the Johns Hopkins University, and Dr. Henry B. Ward, of the University of Illinois.

SIR RICKMAN JOHN GODLEE, president of the Royal College of Surgeons, England, had the honorary degree of doctor of laws conferred on him at a special convocation of the University of Toronto, November 5. At the Academy of Medicine on the evening of the 4th, Sir Rickman delivered an address on foreign bodies in the air passages.

DR. LUDWIG RADLKOFER, professor of botany at Munich, has been permitted to retire from the active duties of his chair.

THE special board for biology and geology of Cambridge University has approved a grant of £30 from the Balfour Fund to Mr. George Matthai, B.A., research student of Emmanuel College, in aid of his research on the comparative morphology of the madreporaria.

THE address by Professor G. A. Miller entitled "Some Thoughts on Modern Mathematical Research," which appeared in *SCIENCE*, June 7, 1912, has been reprinted in the October, 1913, number of *The Journal of the Indian Mathematical Society*, Madras, India. It has also been reprinted in the "Annual Report of the Smithsonian Institution of Washington" for 1912.

#### UNIVERSITY AND EDUCATIONAL NEWS

COMPLETE plans for the new home of the Massachusetts Institute of Technology have been made public. There are to be nine contiguous buildings, each devoted to a separate department. Construction has already been started on the Cambridge side of the Charles River, east of Harvard Bridge. The principal buildings are expected to be ready for occupancy in two years. Of the \$10,000,000 necessary, \$7,300,000 has already been pledged.

THE Chamber of Commerce of New York City announces a gift from a donor whose name is withheld of \$500,000 for a building for a college of commerce. Gifts have also been received of \$50,000 from four other subscribers. The Chamber of Commerce proposes to

provide a building and to install a commercial and civic museum on condition that the City of New York provides the running expenses.

THE University of California announces that the income of the \$120,000 given by Mrs. Jane K. Sather to endow the Sather professorship in classical literature is to be used for a visiting Sather professor. Annually some distinguished scholar, from Europe or from America, will be called to Berkeley to spend a half year or a year teaching in the University of California. The first incumbent is to be Professor John L. Myres, of Oxford University, who will come from his present work of excavation in the island of Cyprus. Besides liberally endowing the Sather professorship in classical literature, Mrs. Jane K. Sather, of Oakland, gave a like amount to endow the Sather professorship of history, now held by Professor H. Morse Stephens; endowed the three Sather book funds, to purchase works in classics, history and law; built the Sather Gate, in memory of her husband, at a cost of \$37,000, and gave \$200,000 for the three-hundred-foot white granite Sather campanile, now being built on the campus, and \$25,000 for the Sather bells, a set of chimes which are to be placed in the open belvedere of the campanile, 250 feet above the level of the campus.

THE University of Florida will use two new buildings for the first time at the coming session: the Language Hall, costing \$45,000, will house departments of law, languages, English history, mathematics and administrative offices; the George Peabody Hall, for the teachers college and normal school, costing \$40,000, the gift of the General Education Board, will house the general library, departments of education and philosophy, normal school and practice high schools.

THE president of the Ohio State University and a group of members of the legislature have visited the universities of Wisconsin, Michigan and Illinois to obtain information for the development of the Ohio State University.

DR. HOLLIS GODFREY, an engineer of Philadelphia, the author of contributions to chem-

istry and sanitary engineering, has been elected president of the Drexel Institute of Art, Science and Industry.

JOHN ELLSWORTH HARTZLER, the newly elected president of Goshen College, was inaugurated on November 7. President Winthrop E. Stone, of Purdue University, and President Robert L. Kelly, of Earlham College, represented the universities and colleges on the program on this occasion.

THE following appointments have been made in the school of civil engineering, Purdue University: H. B. Smith, instructor in railway engineering; A. L. Dierstein, instructor in structural engineering; W. E. Stanley, assistant in surveying.

RECENT appointments in science in West Virginia University are as follows: Wm. Henry Schultz, Ph.D., professor of pharmacology and materia medica; Aaron Arkin, M.D., Ph.D., professor of bacteriology and pathology; A. H. Foreman, E.E., M.E., Ph.D., assistant professor of electrical and experimental engineering; L. I. Knight, Ph.D., plant physiologist in the experiment station, in cooperation with the University of Chicago; E. L. Andrews, assistant professor of poultry husbandry; Isaac B. Johnson, B.S.Agr., instructor in animal husbandry; Oliver Smith, B.S.-Agr., instructor in agronomy; W. B. Kemp, B.S.Agr., instructor in agronomy; O. M. Kile, B.S.Agr., agricultural editor; John Heron Ilick, M.S., instructor in zoology; Joseph W. Hake, M.S., instructor in physics; Hubert Hill, B.S., instructor in chemistry; W. A. Price, Ph.D., instructor in geology; Edward F. Woodcock, M.A., instructor in botany.

RECENT appointments at the University of Florida include: L. W. Buchholz, A.M., and W. S. Cawthon, A.M., as professors of education in the newly organized teacher's college; R. R. Sellars, B.S. (Bucknell), instructor in civil engineering; A. J. Strong, B.S. (Mich. Agr.), instructor in mechanic arts, both in college of engineering; Ira D. Odle, B.S. (Purdue), instructor in botany and bacteriology; J. F. Duggar, Jr., M.S. (Ala. Poly.), instructor in agronomy, in the College of Agriculture.

In the Agricultural Experiment Station, laboratory assistants have been appointed as follows: A. C. Mason, B.S. (Mich. Agr.), in entomology, J. Matz, B.S. (Amherst), in plant pathology. O. F. Burger, assistant plant pathologist, has been granted leave of absence for study at Harvard University.

THE extension division of the University of Florida was made a separate and independent portion of the university organization, with P. H. Rolfs, as director, and A. P. Spencer, as vice-director. All extension service will be concentrated in this division, including farmers' institutes; farmers' demonstration and boys' and girls' club work, in cooperation with the Bureau of Plant Industry of the United States Department of Agriculture; literary and scientific lecture bureau; instruction for teachers and county institutes; correspondence courses, etc.

MR. A. G. STEELE has been appointed head of the department of psychology in Temple University, Philadelphia, Pa.

PROFESSOR FRANZ COSMAT, of Gratz, has been called to the chair of geology at Leipzig.

DR. ADOLF WINDAUS, of Freiburg, has accepted the chair of chemistry at Innsbruck.

#### DISCUSSION AND CORRESPONDENCE

##### ABSORPTION OF THE SUN'S ENERGY BY LAKES

TO THE EDITOR OF SCIENCE: The Wisconsin Geological and Natural History Survey has been making a study of the rate at which the energy of the sun's rays is absorbed as they penetrate the water of lakes. Two instruments have been used for this purpose. The first is a black-bulb thermometer *in vacuo*; a so-called solar thermometer. The instrument is exposed to the action of the sun at different depths, say 1 m. and 2 m. from the surface. The rate of rise of the mercury is noted and from the relation of the rates at the two depths can be computed the amount of absorption of heat in the stratum between them. The second instrument is a thermopile and galvanometer, designed for the purpose by Professor C. E. Mendenhall, of the department of physics, University of Wisconsin, and constructed in